Attorney Docket No.: Q94698

AMENDMENT UNDER 37 C.F.R. § 1.111

Application No.: 10/577,902

OK TO ENTER: /V.N./

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): Aqueous ink comprising, as a dispersant, a graft copolymer having a weight average molecular weight of from 1,000 to 100,000 and comprising: a polymer having a weight average molecular weight of from 300 to 10,000 represented by the following formula (1) as a side chain; and a polymer as a main chain comprising a hydrophobic monomer unit as an essential component, and, if necessary, other copolymerizable monomer unit as a constitutional component:

wherein the sum of m and n is 1 or more, p is 0 or 1 or more, and R is a chemical structural unit having an ionic functional group, wherein the ionic functional group is a carboxyl group or a tertiary amino group, and

wherein the graft copolymer is formed by a macromonomer method, an ionic polymerization method, a chain transfer method, or a method of making an active site with radiation and polymerizing a monomer.

- 2. (canceled).
- 3. (currently amended): Aqueous ink comprising, as a dispersant, a graft copolymer having a weight average molecular weight of from 1,000 to 100,000 and comprising: a polymer having a weight average molecular weight of from 300 to 10,000 represented by the following formula (1) formula (2) as a side chain; and a polymer as a main chain comprising a

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hydrophobic monomer unit as an essential component, and, if necessary, other copolymerizable monomer unit as a constitutional component,

$$-C - O - \left(C_5 H_{10} - C - O\right)_q - H$$

wherein q is 1 or more.

 (previously presented): The aqueous ink as claimed in any of claims 1 to 3, wherein the side chain in the graft copolymer is formed of a macromonomer.